



DOCKET NO.: B1102.70027US00

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott E. Miller et al.  
Serial No.: 10/664,046

Confirmation No.: 2591

Filed: September 16, 2003

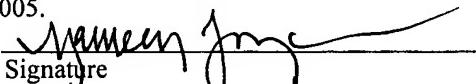
For: DETERMINATION AND/OR CONTROL OF REACTOR ENVIRONMENTAL  
CONDITIONS

Examiner: Not yet assigned  
Art Unit: 1744

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 22 day of April, 2005.

  
Signature

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MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If a fee is required, please charge to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

By:

  
\_\_\_\_\_  
Timothy J. Oyer, Ph.D., Reg. No. 36,628  
Tani Chen, Sc.D., Reg. No. 52,728  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: B1102.70027US00

Date: April 22, 2005

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**MAIL STOP AMENDMENT**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF**  
**DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

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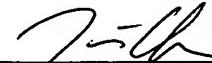
- 4 -

Art Unit: 1744

An early and favorable action is hereby requested.

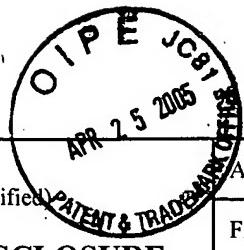
Respectfully submitted,

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FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 10/664,046	ATTY. DOCKET NO.: B1102.70027US00
				FILING DATE: September 16, 2003	CONFIRMATION NO.: 3249
				APPLICANT: Scott E. Miller et al.	
Sheet	1	of	1	GROUP ART UNIT: 1744	EXAMINER: Not yet assigned

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
A176	4,038,151			Fadler et al.	07/26/1977
A177	4,116,775			Charles et al.	09/06/1978
A178	4,118,280			Charles et al.	01/12/1978
A179	4,318,994			Meyer et al.	03/09/1982
A180	5,858,770			Pearlman	01/12/1999
A181	6,632,656	B1		Thomas et al.	10/14/2003
A182	6,770,434	B2		Shvets et al.	08/03/2004
A183	6,837,927	B2		David	01/04/2005
A184	6,857,449	B1		Chow	02/22/2005
A185	2003/0022203	A1		Kumar	01/30/2003
A186	2003/0082632	A1		Shumate	05/01/2003
A187	2004/0029213	A1		Callahan et al.	02/12/2004
A188	2004/0058408	A1		Thomas et al.	03/25/2004
A189	2004/0077075	A1		Jensen et al.	04/22/2004
A190	2005/0014129	A1		Cliffel et al.	01/20/2005
A191	2005/0019902	A1		Mathies et al.	01/27/2005
A192	2005/0028587	A1		Baer et al.	02/10/2005
A193	2005/0037471	A1		Liu et al.	02/17/2005

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
B20	WO	03/066876		A2	Vanderbilt University	08/14/2003	
B21	WO	03/093406		A2	Massachusetts Institute of Technology	11/13/2003	
B22	WO	2004/076647		A2	The Regents of the University of California	09/10/2004	

#### OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
C15		Office Action dated 11/30/04 from U.S. Serial No. 09/707,852	
C16		Office Action dated 01/11/05 from U.S. Serial No. 10/119,917	

EXAMINER:	DATE CONSIDERED:
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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to Applicant.